

JC17 Rec'd PCT/PTO 20 SEP 2005

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

LISTING OF CLAIMS:

1. (Currently amended) ~~Method~~A method for transmitting a series of user data packets (DATA1, DATA2, DATA3) from a transmitter (PROXY) ~~in some instances~~ via one or more devices that route the user data packets (DATA1, DATA2, DATA3) to a receiver (MS) using a TCP protocol, comprising:

~~[[-]] in which~~transmitting, at the start of the user data transmission, ~~the transmitter (PROXY)~~ transmits a first number of user data packets (DATA1) from the series of user data packets (DATA1, DATA2, DATA3) to the receiver (MS);

~~[[-]] in which~~transmitting, during transmission of a plurality of user data packets, the user data packets ~~are transmitted~~ directly one after the other as the first number of user data packets;

~~[[-]] in which~~failing to transmit ~~the transmitter (PROXY)~~ transmits no user data packets to the receiver (MS) for a time period (ZS) after transmitting the first number of user data packets (DATA1);

~~[[-]] in which~~transmitting ~~the transmitter (PROXY)~~ transmits a second number of user data packets (DATA2, DATA3) from the series of user data packets (DATA1, DATA2, DATA3) to the receiver (MS) at a later time (T); and

~~[[-]] in which~~ ~~the transmitter (PROXY)~~ receivesreceiving a confirmation of receipt (ACK) transmitted on receipt of the first number of user data packets (DATA1) from the receiver (MS), ~~characterized in that~~ wherein

the later time (T) is defined such that it is before ~~the~~ a time (TA) of receipt of the confirmation of receipt (ACK) by the transmitter (PROXY) of the user data packets (DATA1, DATA2, DATA3).

2. (Currently amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein the later time (T) is defined such that the receiver (MS) receives the second number of user data packets (DATA2, DATA3) after transmitting the confirmation of

receipt-(ACK).

3. (Currently amended) ~~Method~~ The method according to claim 1 ~~or 2~~, characterized in that wherein the time period ~~(ZS)~~ is a function of ~~the~~ time difference ~~(RTT/2)~~ between transmission of a data packet by the transmitter ~~(PROXY)~~ and receipt of ~~said the~~ data packet by the receiver ~~(MS)~~.

4. (Currently amended) ~~Method~~ The method according to ~~one of claims 1 to 3~~ claim 1, characterized in that wherein the user data packets ~~(DATA1, DATA2, DATA3)~~ are transmitted by the transmitter ~~(PROXY)~~ to the receiver ~~(MS)~~ at least to some degree by radio.

5. (Currently amended) ~~Method~~ The method according to ~~one of claims 1 to 4~~, characterized in that claim 1, wherein the user data packets ~~(DATA1, DATA2, DATA3)~~ are data from the internet ~~(INTERNET)~~.

6. (Currently amended) ~~Method~~ The method according to ~~one of claims 1 to 5~~, characterized in that claim 1, wherein
[[-]] the receiver ~~(MS)~~ is part of a mobile radio communication system ~~(GPRS)~~, and
[[-]] the transmitter ~~(PROXY)~~ is a device connected both to the mobile radio communication system ~~(GPRS)~~ and another network using a TCP protocol ~~(INTERNET)~~.

7. (Currently amended) ~~Method~~ The method according to ~~one of claims 1 to 6~~, characterized in that claim 1, wherein the second number of user data packets ~~(DATA2, DATA3)~~ exceeds the first number of user data packets ~~(DATA1)~~.

8. (Currently amended) ~~Device~~ A device ~~(PROXY)~~ for transmitting a series of user data packets ~~(DATA1, DATA2, DATA3)~~ to a receiver ~~(MS)~~ ~~in some instances~~ via one or more devices that route the user data packets ~~(DATA1, DATA2, DATA3)~~, comprising:
[[-]] ~~with means (M1)~~ a first unit for using a TCP protocol to transmit user data packets ~~(DATA1,~~

~~DATA2, DATA3);~~

~~[[-]] with means (M2)~~ a second unit for transmitting a first number of user data packets (~~DATA1~~) from the series of user data packets (~~DATA1, DATA2, DATA3~~) to the receiver (~~MS~~), during transmission of a plurality of user data packets directly one after the other as the first number of user data packets; and

~~[[-]] with means (M3)~~ a third unit for transmitting a second number of user data packets (~~DATA2, DATA3~~) from the series of user data packets (~~DATA1, DATA2, DATA3~~) to the receiver (~~MS~~) at a later time (~~T~~) after a time period (~~ZS~~) after transmitting the first number of user data packets (~~DATA1~~), wherein

~~characterized in that the device (PROXY) has means (M4)~~ a fourth unit for defining the later time (~~T~~), such that the later time (~~T~~) is before ~~the~~ a time (~~TA~~) of receipt of a confirmation of receipt (~~ACK~~) transmitted by the receiver (~~MS~~) on receipt of the first number of user data packets (~~DATA1~~) in the device (~~PROXY~~).

9. (Currently amended) ~~Device~~ The device (PROXY) according to claim 8, ~~characterized in that~~ wherein the device (~~PROXY~~) has means (M4) for defining the later time (~~T~~), such that the time period (~~ZS~~) is a function of ~~the~~ a time difference (~~RTT/2~~) between transmission of a data packet by the device (~~PROXY~~) and receipt of said data packet by the receiver (~~MS~~).

10. (Currently amended) ~~Device~~ The device (PROXY) according to claim 8 ~~or 9~~, ~~characterized in that~~ wherein the device (~~PROXY~~) is connected to a mobile radio communication system (~~GPRS~~) such that the user data packets (~~DATA1, DATA2, DATA3~~) can be transmitted via the mobile radio communication system (~~GPRS~~) to the receiver (~~MS~~).